

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

DOCKET

YCF153

S.N.

~~08/948,841~~ 09/780057

INFORMATION DISCLOSURE STATEMENT

APPLICANT

Peter D. Swartz

FILING DATE

10/10/97

GROUP

2614

U.S. PATENT DOCUMENTS

*Exam. Initial	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
DB	5 5 0 2 4 8 9	3/26/96	Kim et al.			1/3/94
DB	5 4 9 7 1 9 9	3/5/96	Asada et al.			10/19/94
DB	5 4 8 5 2 8 0	1/16/96	Fujinami et al.			10/26/93
DB	5 4 8 5 2 1 6	1/16/96	Lee			8/11/94
DB	5 4 7 5 4 3 5	12/12/95	Yonemitsu et al.			10/28/93
DB	5 4 7 3 3 8 1	12/5/95	Lee			8/1/94
DB	5 4 6 9 2 1 7	11/21/95	Ibental et al.			10/28/93
DB	5 4 6 1 4 2 0	10/24/95	Yonemitsu et al.			9/17/93
DB	5 4 5 5 6 2 8	10/3/95	Bishop			9/16/93
DB	5 4 5 2 0 1 1	9/19/95	Martin, et al			3/14/94
DB	5 4 4 6 4 9 7	8/29/95	Keating, et al.			9/30/93
DB	5 4 3 0 4 8 8	7/4/95	Hedley			7/8/92
DB	5 4 2 8 3 9 9	6/27/95	Robinson, et al.			4/15/92
DB	5 4 0 6 3 3 3	4/11/95	Martin			3/14/94
DB	5 3 9 8 0 7 1	3/14/95	Gove, et al.			11/2/93

FOREIGN PATENT DOCUMENTS

*Exam. Initial	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DB	"Improving NTSC to Achieve Near-RGB Performance," Yves Faroudja and Joseph Roizen, <i>J. SMPTE</i> , August 1987, pp. 750-761;
DB	"On Picture Quality of Some Television Signal Processing Techniques," Broder Wendland and Hartmut Schroeder, <i>J. SMPTE</i> , October 1984, pp. 915-922,

EXAMINER

DLC91

DATE CONSIDERED

6/2002

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

DOCKET

YCF153

S.N.

08/948,841 CG/750057

INFORMATION DISCLOSURE STATEMENT

APPLICANT

Swartz

FILING DATE

10/10/97

GROUP

2614

U.S. PATENT DOCUMENTS

*Exam. Initial	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
D	5 3 8 6 2 3 7	1/31/95	Knee	—	—	1/19/93 1
D	5 3 6 5 2 8 0	11/15/94	De Haan et al.	—	—	6/11/93
B	5 3 6 5 2 7 3	11/15/94	Correa et al.	—	—	4/23/93
D	5 3 3 7 1 5 4	8/9/94	Dorricott et al.	—	—	7/19/93
D	5 3 2 9 3 1 7	7/12/94	Naimpally et al.	—	—	9/30/92
D	5 3 1 7 3 9 8	5/31/94	Casavant, et al.	—	—	8/17/92
D	5 3 1 5 3 2 7	5/24/94	Suzuki	—	—	5/18/92
D	5 3 0 3 0 4 5	4/12/94	Richards et al.	—	—	8/24/92
D	5 2 6 7 0 3 5	11/30/93	Weckenbrock, et al	—	—	8/8/91
D	5 2 5 5 0 9 1	10/19/93	Lyon et al.	—	—	10/22/90
D	5 2 3 5 4 1 7	8/10/93	Casavant et al.	—	—	3/26/92
D	5 2 2 7 8 7 9	7/13/93	Morita et al.	—	—	1/28/91
D	5 2 2 1 9 6 6	6/22/93	Clayton, et al.	—	—	1/16/91
D	5 2 0 4 7 4 5	4/20/93	Kawai et al.	—	—	7/19/91
D	5 1 9 1 4 2 7	3/2/93	Richards, et al.	—	—	8/15/91
D	5 1 9 1 4 1 3	3/2/93	Edgar	—	—	11/1/90

FOREIGN PATENT DOCUMENTS

*Exam. Initial	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

D		"The Television Scanning Process," G.J. Tonge, <i>J. SMPTE</i> , July 1984, pp. 657-666
D		"Signal Processing for New HQTV Systems" by Broder Wendland and Hartmut Schroeder, <i>Television Image Quality</i> , 18th Annual SMPTE Television Conference in Montreal, February 10-11, 1984, pp. 336-353.

EXAMINER

D. L. Con

DATE CONSIDERED

6/2002

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

DOCKET

YCF153

S.N.

08/948,841

09/780057

INFORMATION DISCLOSURE STATEMENT

APPLICANT

Swartz

FILING DATE

10/10/97

GROUP

2614

U.S. PATENT DOCUMENTS

*Exam. Initial	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
DD	5 1 7 7 6 1 5	1/5/93	Ozaki	---	---	1/25/91
DD	5 1 7 4 6 4 1	12/29/92	Lim	---	---	7/25/90
DD	5 1 5 7 4 9 0	10/20/92	Kawai et al.	---	---	3/13/91
DD	5 1 5 3 7 1 9	10/6/92	Ibenthal	---	---	8/19/91
DD	5 1 4 6 3 2 9	9/8/92	Flamm	---	---	3/1/91
DD	5 1 3 8 4 4 9	8/11/92	Kerpchar	---	---	3/8/91
DD	5 1 3 6 3 8 0	8/4/92	Cho	---	---	12/27/90
DD	5 1 3 4 4 8 0	7/28/92	Wang et al.	---	---	8/31/90
DD	5 1 2 8 7 4 7	7/7/92	Isnardi et al.	---	---	1/30/89
DD	5 1 1 5 3 1 1	5/19/92	Jaqua	---	---	10/16/90
DD	5 0 8 1 5 3 2	1/14/92	Rabii	---	---	8/30/90
DD	5 0 4 3 8 1 0	8/27/91	Vreeswijk et al.	---	---	12/20/88
DD	5 0 2 3 7 1 3	6/11/91	Nishigori	---	---	4/20/90

FOREIGN PATENT DOCUMENTS

*Exam. Initial	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DD	"Psychophysics and the Improvement of Television Image Quality" by William F. Schreiber, <i>J. SMPTE</i> , August 1984, pp 717-725.
DD	"Extended-Definition TV Fully Compatible with Existing Standards — Proposal and Experimental Results" by Takahiko Fukinuki, et al. <i>Television Image Quality</i> , pp. 354-368.
DD	"Extended Definition Television with High Picture Quality" by Broder Wendland, <i>J. SMPTE</i> , October 1983, pp.

EXAMINER

DUC.9

DATE CONSIDERED

6/2002

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

DOCKET

YCF153

S.N.

~~08/948,841~~ 09/780057

INFORMATION DISCLOSURE STATEMENT

APPLICANT

Swartz

FILING DATE

10/10/97

GROUP

2614

U.S. PATENT DOCUMENTS

*Exam. Initial	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
D	5 0 1 9 9 0 4	5/28/91	Campbell			12/4/89
B	4 9 9 8 2 8 7	3/5/91	Katznelson, et al.			10/14/88
D	4 9 9 8 1 6 7	3/5/91	Jaqua			11/14/89
D	4 9 8 5 7 6 7	1/15/91	Haghiri et al.			2/22/89
D	4 9 7 9 0 2 0	12/18/90	Isnardi			12/29/87
D	4 9 5 9 7 1 5	9/25/90	Prodan			6/16/89
D	4 9 4 1 0 4 5	7/10/90	Birch			10/11/88
D	4 9 6 7 2 7 1	10/30/90	Campbell et al.			2/5/90
D	4 9 3 7 6 6 8	6/26/90	Hosaka			10/3/88
D	4 9 3 5 8 1 6	6/19/90	Faber			6/23/89
DN	4 9 3 3 7 5 9	6/12/90	Van der Meer, et al.			4/27/89
DN	4 9 2 4 3 0 6	5/8/90	Van der Meer, et al.			2/21/89
DN	4 8 9 7 7 1 6	1/30/90	Drewery et al.			12/2/87
DN	4 8 6 4 3 9 8	9/5/89	Avis, et al.			5/31/88
DD	4 7 3 3 2 9 9	3/22/88	Glenn			3/26/87

FOREIGN PATENT DOCUMENTS

*Exam. Initial	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

D	"High Quality Television by Signal Processing" by Broder Wendland, 2nd International Conference on New Systems and Services in Telecommunications, Liege, Belgium, November 1983, pp. 401-409;
D	"Extended Definition Television with High Picture Quality" by Broder Wendland, <i>Video Pictures of the Future</i> , 17th Annual SMPTE Television Conference in San Francisco, February 4-5, 1983, pp. 57-71.

EXAMINER

DLC

DATE CONSIDERED

6/2002

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

DOCKET

YCF153

S.N.

~~08/948,841~~

09/780057

INFORMATION DISCLOSURE STATEMENT

APPLICANT

Swartz

FILING DATE

10/10/97

GROUP

2614

U.S. PATENT DOCUMENTS

*Exam. Initial	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
<i>DA</i>	4 7 1 3 6 8 8	12/15/87	Guttner			9/24/85
<i>DA</i>	4 7 0 9 2 7 7	11/24/87	Ninomiya, et al.			3/27/85
<i>DA</i>	4 6 9 8 6 7 5	10/6/87	Casey			9/29/86
<i>DA</i>	4 6 9 2 8 0 1	9/8/87	Ninomiya et al.			5/14/86
<i>DA</i>	4 6 6 1 8 5 0	4/28/87	Strolle et al.			1/31/86
<i>DA</i>	4 6 5 2 9 0 9	3/24/87	Glenn			10/17/84
<i>DA</i>	4 6 5 1 2 1 1	3/17/87	Weckenbrock, et al.			1/17/86
<i>DA</i>	4 6 4 1 1 8 8	2/3/87	Dischert			7/31/85
<i>DA</i>	4 6 3 5 1 1 4	1/6/87	Wendland et al.			11/9/84
<i>DA</i>	4 6 2 0 2 2 5	10/28/86	Wendland et al.			9/7/83
<i>DA</i>	4 5 5 1 7 5 3	11/5/85	Nishizawa et al.			12/9/82

FOREIGN PATENT DOCUMENTS

*Exam. Initial	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>DA</i>		"High Definition Television Studies on Compatible Basis with Present Standards" by Broder Wendland, <i>Television Technology in the 80's</i> , February 1981, pp. 151-165.
<i>DA</i>		"Temporal Filtering Using Pixel Incrementing" by Harro Bruggemann, <i>J. SMPTE</i> , August 1981, pp. 686-694.

EXAMINER

Delca

DATE CONSIDERED

6/2000

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

GROUP

2614

FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DATE/CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

Form PTO-1449

PATENT AND TRADEMARK OFFICE
U.S. DEPARTMENT OF COMMERCE

DOCKET

YCF153

S.N.

08/948,841

INFORMATION DISCLOSURE STATEMENT

APPLICANT

Peter D. Swartz

FILING DATE

10/10/97

GROUP

2614

U.S. PATENT DOCUMENTS

*Exam. Initial	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
DU	5 6 3 1 7 0 6	5/20/97	Tsunashima			6/7/95
DU	5 6 2 1 4 7 0	4/15/97	Sid-Ahmed			7/7/95
DU	5 6 1 0 6 6 2	3/11/97	Hackett			3/30/95
DU	5 6 0 6 3 7 3	2/25/97	Dopp, et al.			4/4/95
DU	5 5 9 6 3 7 1	1/21/97	Pakhchyan et al.			2/2/95
DU	5 5 6 5 9 9 8	10/15/96	Coombs et al.			2/22/94
DU	5 5 6 3 6 6 0	10/8/96	Tsukagoshi			11/30/93
DU	5 5 6 3 6 5 1	10/8/96	Christopher, et al.			12/30/94
DU	5 5 5 0 5 9 2	8/27/96	Markandey et al.			4/25/95
DU	5 5 3 4 9 3 5	7/9/96	Kawai et al.			10/27/94
DU	5 5 1 7 2 4 8	5/14/96	Isoda			5/26/95
DU	5 5 1 7 2 4 7	5/14/96	Correa et al.			10/5/93
DU	5 5 0 8 7 5 0	4/16/96	Hewlett et al.			2/3/95

FOREIGN PATENT DOCUMENTS

*Exam. Initial	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DU		System Description SuperNTSC, Faroudja Research, March 15, 1990, Sections I, II and IV.
DU		"A Progress Report on Improved NTSC," Yves C. Faroudja and Joseph Roizen, J. SMPTE, November 1989, pp. 817-822
DU		"NTSC and Beyond," Yves Charles Faroudja, IEEE Transactions on Consumer Electronics, February 1988, pp. 166-177;

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant